

What is claimed is:

1. A system for generating priorities of manufacturing orders, the system comprising a priority calculating module, a priority revising module, a sorting module and a document updating module, wherein:

the priority calculating module is used to determine calculated priorities of manufacturing orders in accordance with data on the manufacturing orders;

the priority revising module is used to revise priorities of manufacturing orders to account for particular contingencies that arise, and to satisfy particular requirements of customers;

the sorting module is used to display manufacturing orders in selected sequences for users; and

the document updating module is used to update priority data stored in a database server according to data generated by the priority calculating module and the priority revising module.

2. The system as claimed in claim 1, wherein the priority calculating module, the priority revising module, the sorting module and the document updating module are comprised in an application server.

3. The system as claimed in claim 1, further comprising a database connecting module which connects the priority calculating module, the priority revising module, the sorting module and the document updating module with a master list of manufacturing orders and detailed records of manufacturing orders.

4. The system as claimed in claim 3, wherein the master list of manufacturing orders and the detailed records of manufacturing orders are comprised in a database server.

5. The system as claimed in claim 4, wherein the database server comprises a database management module for managing the master list of manufacturing orders and the detailed records of manufacturing orders.
6. The system as claimed in claim 1, wherein selectable sequences for displaying manufacturing orders comprise sequences according to a designated priority, a calculated priority, a scheduled manufacturing starting time, and a scheduled manufacturing completion time.
7. The system as claimed in claim 3, wherein the document updating module updates data stored in the master list of manufacturing orders and the detailed records of manufacturing orders in accordance with implementation results of the priority calculating module and the priority revising module.
8. The system as claimed in claim 1, wherein the calculated priority is determined using the formula:  $\text{Calculated priority} = (\text{scheduled manufacturing completion time} - \text{current date}) / (\text{scheduled manufacturing completion time} - \text{scheduled manufacturing starting time})$ .
9. A method for generating a priority of manufacturing orders, the method comprising the steps of:
  - determining a calculated priority of a manufacturing order;
  - revising a designated priority of a manufacturing order; and
  - displaying manufacturing orders in a selectable sequence.
10. The method as claimed in claim 9, further comprising the step of updating a master list of manufacturing orders and a detailed record of the manufacturing order.
11. The method as claimed in claim 9, wherein the determining step relates to a scheduled manufacturing starting time and a scheduled manufacturing completion time of the manufacturing order.
12. A process of generating priorities of manufacturing orders, comprising steps of:

obtaining released manufacturing orders;  
receiving sorting instructions;  
calculating a priority of each of said manufacturing orders;  
updating a master list of manufacturing orders and detailed records of each of said manufacturing orders;  
sorting manufacturing orders if no revision instructions are received, or revising priorities of the manufacturing orders and then sorting said revised priorities of the manufacturing orders if revision instructions are received.